

ABSTRACT OF THE DISCLOSURE

Information can be transferred while ensuring real-time characteristics without increasing the circuit size of an apparatus. A high-order layer packet is divided into a plurality of fragmented packets of fragment numbers, and these are transmitted via a wireless network. When an error occurs, if within a maximum permissible transmission process time, the fragmented packet of the same fragment number is retransmitted. For the high-order packet, since all the fragmented packets thereof could not be transmitted within that time due to the error, a halt flag is written into the fragmented packet of the next high-order packet.